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Application/Control No.

09/975,027 Examiner

Thomas D. Lee

Applicant(s)/Patent under Reexamination

ROY ET AL.

Art Unit

2624

| √ | Rejected |
|---|----------|
| _ | Allowed  |

- (Through numeral)
Cancelled
+ Restricted

Non-Elected

I Interference

A Appeal
O Objected

| Cla          | aim         |               |                 |          | Date            | =        |          |          | 7::::  | Cla          | aim       |                      |          | -                                       | Date   | е         |              |           | ٦₩       |              | laim       | П               |          |          | D        | ate      | ,        |          |          | ٦        |
|--------------|-------------|---------------|-----------------|----------|-----------------|----------|----------|----------|--------|--------------|-----------|----------------------|----------|---|--|-----------|--------------|-----------|----------|--------------|------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|
|              | <u> </u>    | 5             |                 |          |                 |          |          |          |        |              | <u>a</u>  | П                    |          |   |  |           | П            | T         | 7        |              | <u></u>    |                 |          |          |          |          |          |          |          |          |
| Final        | Original    | 042805        |                 | ļ        |                 |          |          |          |        | Final        | Original  |                      |          |   |  |           |              |           |          | Final        | Original   |                 |          |          |          |          | i        |          |          |          |
| iI           | ő           | 8             |                 |          |                 |          |          |          |        | 证            | Ö         |                      |          |   |  |           |              |           |          | 正            | Ö          |                 |          |          |          | ĺ        |          |          |          |          |
|              |             |               | _               | -        | Н               |          | _        |          | _      |              |           | $\sqcup$             | 4        | _                                       | ╄  | $\dashv$  | _            | $\perp$   | _        | <u></u>      |            | <u> </u>        | $\dashv$ | _        | _        | _        | _        | 4        | 4        | _        |
|              | Ŏ           | 1             | +               | +-       | $\vdash$        |          | _        | +        | -      |              | 51        |                      | _        | -                                       | ╀  | $\dashv$  | +            | +-        | -        | -            | 101        | H               | $\dashv$ | -        | _        | 4        |          | -+       | $\dashv$ | _        |
|              | 3           | 1             |                 | +        | $\vdash$        |          | +        | +        | -      |              | 52        | $\vdash$             | +        | +                                       | ╁  |           | -            | +         | -        | <u> </u>     | 102        | -               |          | ᅱ        | -        |          | _        | 4        | $\dashv$ | -        |
| -            | 4           | 1             | +               | +        | ┼┈┤             |          | $\dashv$ |          | -      |              | 53<br>54  | $\vdash$             | +        | ╫                                       | ╁  |           | +            | +         | -        | $\vdash$     | 103<br>104 | ├—              | $\vdash$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | -        |
|              | 5           | 1             |                 | +-       | $\vdash$        | $\vdash$ | -+       | +        | 1      |              | 55        | ┝╼╬                  | +        | $\dashv$                                | +  | $\dashv$  | +            | +         | -        | -            | 105        | H               | $\dashv$ | -        | -        | +        | $\dashv$ | +        | $\dashv$ | $\dashv$ |
| <b></b>      | 6           | V             |                 | +        | $\vdash$        |          | $\dashv$ | +        | 1      |              | 56        | $\vdash$             | +        | +                                       | <u> </u>   | $\forall$ | $\dashv$     | ╅         | -:::     | -            | 106        | H               | -        |          | -        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 7           | 1             |                 | 1        | $\vdash$        |          |          |          | ٠      |              | 57        | $\vdash$             | +        | +                                       | +  | _         | $\top$       | +         | ۱        |              | 107        | -               | $\dashv$ | $\dashv$ |          | $\dashv$ | •        | +        | +        | $\dashv$ |
|              | 8           | 1             |                 | 1        | П               |          | _        | _        |        |              | 58        | H                    | _        | ╅                                       | 1  | $\dashv$  | $\top$       | $\top$    | 7        |              | 108        | _               |          |          | T        | 7        | _        | T        | $\dashv$ | $\dashv$ |
|              | 9           | -√            |                 | 1        | $\Box$          |          |          |          | 7      |              | 59        |                      | $\top$   |   |  | Ħ         | 1            | T         |          |              | 109        |                 |          |          |          | $\neg$   | 一        | $\dashv$ | 十        | ヿ        |
|              | 10          | 4             |                 |          |                 |          |          |          |        |              | 60        |                      | _        | $\top$                                  |  |           |              | $\top$    | 7:::     |              | 110        |                 |          |          |          |          |          |          | $\neg$   | 7        |
|              | 11          | 4             |                 |          |                 |          |          |          |        |              | 61        |                      |          |   |  |           |              | $\top$    |          |              | 111        |                 |          | $\neg$   |          | T        |          |          | ヿ        | ヿ゙       |
|              | 12          | 1             |                 |          | П               |          |          |          | _      |              | 62        |                      |          |   |  |           | $\Box$       |           |          |              | 112        |                 |          |          |          | I        |          |          |          | $\Box$   |
| <u></u>      | <u>(13)</u> | 4             |                 |          | $\sqcup$        |          | _        |          | _      |              | 63        | Ш                    | $\perp$  | L.                                      |  |           | $\perp$      |           | _        |              | 113        |                 |          |          |          | $\Box$   |          |          | $\Box$   |          |
|              | (14)        | 1             | <u> </u>        | ╀        | $\sqcup$        |          | $\perp$  | $\bot$   | 4      | L            | 64        | $\sqcup$             | _        |   | $\perp$  | Ш         | $\perp$      | _         | _[       | <u></u>      | 114        | _               | $\Box$   |          | $\Box$   | $\Box$   | [        |          | $\dashv$ | _        |
| <u></u>      | 15          | 1             | $\vdash \vdash$ | $\bot$   | $\sqcup$        |          |          |          | -      | <u> </u>     | 65        | $\sqcup$             | $\perp$  | $\bot$                                  | $\sqcup$   | $\sqcup$  | 4            | _         | 4        | <u></u>      | 115        | $\vdash$        | $\sqcup$ | _        | $\sqcup$ | 4        |          | _        | 4        | _        |
|              | 16          | 1             |                 | +        | $\vdash$        |          |          |          | 4      | ļ            | 66        | ${oldsymbol{arphi}}$ | $\perp$  | +                                       | $\vdash$   | $\sqcup$  | $\perp$      | $\perp$   | 4        | <u></u>      | 116        | $\vdash$        | $\sqcup$ |          | $\sqcup$ | _        |          | _        | _        | _        |
| $\vdash$     | (T)         | <b>√</b>      | -               | +        | $\vdash$        | -        | $\dashv$ | +        | -      | <u> </u>     | 67<br>68  | $\vdash \vdash$      | _        | +                                       | $\vdash$   | $\square$ | +            | +         | -        | <b> </b>     | 117        |                 | $\dashv$ | _        | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$ | $\dashv$ |
| -            | <b>®</b>    | \<br>√        |                 | +-       | $\vdash$        | -        | +        | +        | -      |              |           | -                    | +        | +                                       | $\vdash$   | $\vdash$  | +            | -         | -        | <u> </u>     | 118        |                 |          |          | $\dashv$ | -        | -        | -        | $\dashv$ |          |
|              | 19<br>20    | 1             |                 | +        | $\vdash$        | $\dashv$ | $\dashv$ | +        | -      |              | 69<br>70  | ┝╌┼                  | +        | +                                       | $\vdash$   | $\vdash$  | +            | -         | -        | -            | 119        |                 |          | $\dashv$ | -        | -        | $\dashv$ | -        | +        | ┥゙       |
|              | 21          | $\frac{v}{v}$ |                 | +        | Н               | $\dashv$ | $\dashv$ | +        | -      | <u> </u>     | 71        | $\vdash$             | +        | +                                       | $\vdash$   | $\dashv$  | +            | -         | -        | -            | 120<br>121 |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | $\dashv$ |
| -            | 22          | Ť             |                 | +        | Н               | $\dashv$ | +        | +        | 1      |              | 72        | $\vdash$             | +        | +                                       | <del> </del>                                     | $\dashv$  | +            |           | -        |              | 122        |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |          |
|              | 23          |               | _               | +        | $\vdash$        | $\dashv$ | $\dashv$ | +        | ┪      |              | 73        | $\vdash$             |          | +-                                      | <u> </u>   |           |              | +-        | ١        | -            | 123        | H               |          | ┪        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |          |
| $\vdash$     | 24          |               |                 | +        | Ħ               | $\dashv$ |          |          | 1      |              | 74        | $\vdash$             | $\dashv$ | +-                                      | <del>                                     </del> | $\dashv$  | +            | $\dagger$ | ┨᠁       |              | 124        | Н               |          | $\dashv$ | $\dashv$ | 1        | _        | $\dashv$ | 十        | _        |
|              | 25          |               |                 | Ť        | m               | $\neg$   | ┪        |          | 1      |              | 75        | П                    | _        | 一                                       | 1  |           | $\top$       |           |          |              | 125        |                 |          |          | $\dashv$ | $\neg$   |          | _        | 十        | _        |
|              | 26          |               |                 |          |                 |          |          |          | 1      |              | 76        |                      |          |   |  |           |              |           | 7        |              | 126        |                 | П        |          | $\Box$   | 一        | T        | $\dashv$ | コ        |          |
|              | 27          |               |                 |          |                 |          |          |          |        |              | 77        |                      |          |   |  |           |              |           | 7        |              | 127        |                 |          |          |          | T        |          | $\neg$   | 丁        |          |
|              | 28          |               |                 |          |                 |          |          |          |        |              | 78        |                      |          |   |  |           |              |           |          |              | 128        |                 |          |          |          |          |          |          |          |          |
|              | 29          |               |                 |          |                 |          |          |          | _      |              | 79        |                      |          |   |  |           |              |           | _        |              | 129        |                 |          |          |          |          |          |          |          |          |
|              | 30          |               |                 | _        |                 | _        |          |          | _      |              | 80        |                      |          |   | Ш  | $\Box$    | 4            | $\bot$    | 4        | <u></u>      | 130        |                 |          |          | $\perp$  |          | _        | $\dashv$ | _        |          |
|              | 31          |               | $\perp$         | _        | Ш               | _        | -        |          | -      |              | 81        | $\perp$              |          |   | Щ  |           | -            |           | 4        | <u> </u>     | 131        | Ш               |          | _        | $\dashv$ | _        | _        | $\dashv$ | 4        | _        |
| <u> </u>     | 32          |               |                 | -        | $\vdash$        |          | -        |          | 4      | <u> </u>     | 82        | $\vdash \vdash$      | +        | +                                       | $\vdash$   | $\vdash$  | -            | -         | - :::    | <u> </u>     | 132        |                 | $\sqcup$ | 4        | $\dashv$ | 4        | _        | $\dashv$ | $\dashv$ | 4        |
|              | 33<br>34    |               |                 | +-       | ╁┷┤             | -+       | $\dashv$ |          | 4      |              | 83<br>84  | $\vdash$             | +        | +-                                      | ┼┤   | $\dashv$  |              | +         | -        |              | 133<br>134 | $\vdash$        | $\dashv$ | 4        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$ |
|              | 35          |               | -               | +        | ⊢┼              | $\dashv$ | +        |          | -      | $\vdash$     | 85        | $\vdash$             | +        | +-                                      | $\vdash$   | $\dashv$  |              | -         | -        | <del> </del> | 134        |                 | $\dashv$ | $\dashv$ | +        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ |
| <del> </del> | 36          | _             | $\dashv$        | +        | $\vdash$        | $\dashv$ | +        |          | 1      |              | 86        | $\vdash$             | +        | +                                       | $\vdash$   | -+        | +            | +         | -        | -            | 136        | Н               | $\vdash$ | ┪        | +        | $\dashv$ | $\dashv$ | -+       | -+       | $\dashv$ |
|              | 37          | _             | $\dashv$        | +        | ╁               | -+       | $\dashv$ |          | 1      |              | 87        | $\vdash$             | +        | +                                       | $\vdash$   | $\dashv$  |              | +         | -        | -            | 137        |                 | $\dashv$ | ┪        | $\dashv$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 38          |               | $\dashv$        | †        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | 1      | $\vdash$     | 88        | $\vdash$             | +        | +                                       | $\vdash$   | $\dashv$  | +            | +-        | ┧Ш       | 1            | 138        |                 | -        | $\dashv$ |
|              | 39          |               |                 | 1        |                 | $\neg$   | $\dashv$ | _        | 1      |              | 89        | $\Box$               | $\top$   | 1                                       | П  |           | _            | $\top$    | 1        |              | 139        | $\Box$          |          | T        |          |          | 寸        | $\dashv$ | 寸        | $\dashv$ |
|              | 40          |               |                 | 1        |                 | $\Box$   |          |          |        |              | 90        | $\Box$               |          | $\top$                                  | П  | $\Box$    |              |           | 7        |              | 140        |                 | $\Box$   | 1        | İ        |          | 一        | 7        | 7        | ٦        |
|              | 41          |               |                 | oxdot    |                 |          |          |          |        |              | 91        |                      |          |   |  |           |              |           |          |              | 141        |                 |          |          |          |          |          |          | 丁        |          |
|              | 42          |               |                 |          | П               | $\Box$   | $\Box$   |          |        |              | 92        |                      |          |   |  |           |              |           | ]        |              | 142        |                 |          |          |          | $\Box$   |          |          | $\Box$   |          |
|              | 43          |               |                 | Ţ        | Ш               |          |          |          | J      |              | 93        | П                    |          | L                                       | $\Box$   |           |              |           |          |              | 143        |                 |          |          |          |          |          |          |          |          |
| $\vdash$     | 44          |               | _               | <u> </u> | Ш               | [        | _        | $\perp$  | 4      |              | 94        |                      |          | _                                       | Щ  | $\Box$    | $\perp$      | $\perp$   | <b>↓</b> | <u> </u>     | 144        | Ш               |          |          | _        | $\Box$   | _        | _[       | $\perp$  | _        |
|              | 45          |               |                 | _        | Ш               |          | $\perp$  | $\perp$  | 4      |              | 95        | $\sqcup$             | $\perp$  | 4                                       | Щ  |           | $\bot$       | $\bot$    | 4        | <u> </u>     | 145        | Щ               |          | _        | 4        | 4        | _        | _        | _        | _        |
|              | 46          |               |                 | ╄        | $\vdash$        |          | $\dashv$ | +        | 4      | $oxed{oxed}$ | 96        | $\dashv$             | $\perp$  | +                                       | $\sqcup$   | $\sqcup$  | $\downarrow$ | $\perp$   | 4        |              | 146        | Щ               | _        | _        | _        | 4        | _        | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>     | 47          | _             | -               | +-       | $\vdash \vdash$ | $\dashv$ | +        | +        | 4      |              | 97        | $\dashv$             | +        | +                                       | $\vdash$   | $\perp$   | +            | +-        | 4        |              | 147        | $\vdash$        | _        | _        |          | $\dashv$ | _        | $\dashv$ | +        | _        |
| <u> </u>     | 48          | _             |                 | +        | $\vdash$        |          | +        | +        | -      | -            | 98        | -                    | +        | +                                       | $\vdash$   | $\dashv$  | +            | +-        | -        |              | 148        | $\vdash$        | $\dashv$ | -        | -        | -        | -        | +        | +        | $\dashv$ |
| $\vdash$     | 49<br>50    |               | +               | +-       | $\vdash$        |          | +        | +        | -      |              | 99<br>100 | $\vdash$             | +        | +                                       | Н  | -+        | +            | +         | -        | -            | 149        | $\vdash \vdash$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ | +        | $\dashv$ |
| ш            | ַטַט        |               |                 |          | Ш               |          | L.       | L        | ]::::: | Ll           | IÚU       | LL                   |          | _ــــــــــــــــــــــــــــــــــــــ | Щ.   |           |              |           | ∷∷∟      | :            | 150        | ш               |          |          | _4.      |          | _        |          |          |          |